

Norton,Nancy

From: Norton,Nancy
Sent: Thursday, January 29, 2004 7:43 AM
To: 'rjporter@emilab.com'
Subject: RE: BST Sampling for Guest River Watershed

The flows were not measured on the date of the samples. Dan took measurements at each site and then we used the Clinch River long term flow gage to develop a hydrograph for the sampling site. Once we had the calculated flows each day, we went to them to extract the "flow" on the day of the sample. That is the reason for all the graphs in the study report. We show the reference stream and the measured flows on a graph with a linear regression analysis.

As far as the time of samples, I am attaching a spreadsheet file with that information.



**** THE ATTACHMENT IS AVAILABLE AT THE END OF THIS DOCUMENT. I hope this answers your questions.**

Nancy

-----Original Message-----

From: R. J. Porter [SMTP:rjporter@emilab.com]
Sent: Wednesday, January 28, 2004 3:51 PM
To: Norton,Nancy
Subject: BST Sampling for Guest River Watershed

Nancy,

Thank you very much for your time in answering my questions Monday night at the Stakeholder's meeting. As always your presentation was very informative and I think the response from the general public was great.

I would appreciate some additional help in my review of the Bacteria TMDL for Sepulcher Creek, Toms Creek, and Crab Orchard Branch. If possible could you please provide the specific time of day for each BST sample collected and the actual measured flow values for each subject event. If this data is available online I will be happy to download this myself if you can direct me to the site.

Thanks

R. J. Porter
Environmental Monitoring, Inc.
5730 Industrial Park Road
P.O. Box 1190
Norton, VA 24273

(276) 679-6544

Norton,Nancy

From: Norton,Nancy
Sent: Thursday, February 12, 2004 7:21 AM
To: 'gselvage@verizon.net'
Subject: RE: TMDL for Sepulcher Cr., T. Cr. & Crab Orchard-Wise County

Hello,

I responded to your email yesterday with a promise to let you know how the grease traps were dealt with in the area. As I mentioned this varies from locality to locality. Mark Hollyfield from the Coeburn-Norton-Wise Regional Wastewater Treatment Plant responded to your question with the following information.

"C-N-W does not permit septic haulers to dispose of grease trap wastes at C-N-W and it is my understanding that area septic haulers have discontinued pumping of grease traps. To my knowledge, restaurants in the C-N-W service area utilize grease recyclers to dispose of wastes from grease traps.

Of course, there are traces of grease in the typical wastes from a septic tank and these are processed in the aerobic digester that we have dedicated to septic waste treatment for the last several years. Occasionally, we observe a build-up of grease in varying manholes in the collection system but is very difficult, despite our best efforts, to determine the source(s). In such cases, our staff utilizes degreaser to emulsify the material so it can flow to the regional plant for treatment as part of the waste stream."

-----Original Message-----

From: gselvage@verizon.net [SMTP:gselvage@verizon.net]
Sent: Wednesday, February 11, 2004 11:22 AM
To: Norton,Nancy
Subject: TMDL for Sepulcher Cr., T. Cr. & Crab Orchard-Wise County

2/11/2004

Nancy:

First, let me say, if you feel these questions or comments are unwarranted, just say so. Thanks.

Why is biosolids going to landfill? Is it permitted as other sites approved for this? And should we take into consideration when we do that the topography, closeness to streams, or seepage?

Last summer, we participated in the program; had a Fast System, chlorinator, and dechlorinator, and discharge installed. Should it not be on the list for Sepulcher Creek tributary?

I am curious as to how grease collected from fast food restaurants by septic tank pump companies is disposed of or how it is treated by the regional treatment plant. Any info you could provide would be appreciated. Is grease burned?

Curious as well: When you look at the infrared maps, have you seen indications of sewage dump sites? Any signs where there is not residential use or otherwise unexplained?

Nancy, if these are inappropriate to come from the public, please disregard. If that be the case, please advise if you could send me in the right direction.

I have noted a few suggestions; however, those will probably be best addressed in the committee forums.

I left a message on your recorder but perhaps you have been out of the office. If you would prefer to call me, my number is 276 328-1223.

Thanks again

Norton,Nancy

From: Norton,Nancy
Sent: Wednesday, February 11, 2004 3:39 PM
To: 'gselvage@verizon.net'
Subject: RE: TMDL for Sepulcher Cr., T. Cr. & Crab Orchard-Wise County

No comment is unwarranted if we learn something!!

Biosolids are going to the landfill by permit. The area is somewhat karst and mountainous in Wise County leaving a paucity of appropriate sites available. (So yes, there are a host of requirements that must be met before land application can occur.) Coeburn-Norton-Wise STP did file a land application plan for several sites and were approved but the land ownership changed and the new landowner is reluctant for biosolids to be applied. Meantime, the biosolids must be disposed of somehow so they continue to go to the landfill.

I did a search of our permit files database and did not come up with a permit to discharge in Sepulcher Creek or a tributary. Can you tell me the permit number and the name registered so I may include it in the final report? (having your information will also allow me to see why my search failed.)

Each WWTP has its own way of either receiving or not receiving grease from fast food restaurants and/or treating them. I don't know the specifics for the Guest River watershed. I have contacted Mark Hollyfield to find out how this issue may be addressed in the watershed and will get the answer to you as soon as I receive one.

The infrared maps were interpreted by TVA specialists. They did not differentiate to a degree that would identify a sewage dump site. Do you suspect a location that is used on a frequent basis? The fly over was done in March, only once, and unless the site were used often, I am not sure it would have been identifiable on an aerial photo. However, if you look at the chart that I included for suspicious sites in the three watersheds, in Section 5.3.1, if the moisture pattern was present it may have been included.

Thank you for your input. Please do send me your permit number and registration information so that I may include the discharge in the Sepulcher Creek Watershed table.

I have not gotten a message on my voice mail. I checked the message recorder after I read your email. My number is 276-676-4807 if you wish to call again. My work hours are between 7am and 3:45pm.

Nancy

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To: Norton,Nancy
Subject: TMDL for Sepulcher Cr., T. Cr. & Crab Orchard-Wise County

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Quality Codes

NVI: No viable *E. coli* isolates available for BST analysis.

BDL: Below detection limit. Lowest detectable value reported.

STATION_ID	Date of Sample	Time of Sample	Lab ID	HUP_ID	Number of Isolates	<i>E. coli</i>	Quality	Proportional Contribution				Presence/Absence			
								Wildlife	Human	Livestock	Pet	Wildlife	Human	Livestock	Pet
6BCRA000.31	09/05/02	9:45	D11	P11	24	1300		79%	13%	0%	8%	1	1	0	0
6BCRA000.31	10/23/02	11:40	D97	P11	24	140		67%	8%	4%	21%	1	0	0	1
6BCRA000.31	11/21/02	11:20	D258	P11	7	200		0%	14%	72%	14%	--	--	--	--
6BCRA000.31	12/16/02	11:40	D334	P11	24	150		17%	25%	29%	29%	1	1	1	1
6BCRA000.31	01/27/03	10:05	D540	P11	24	220		63%	0%	29%	8%	1	0	1	0
6BCRA000.31	02/18/03	12:00	D606	P11	16	22		0%	44%	0%	56%	0	1	0	1
6BCRA000.31	03/04/03	10:50	D735	P11	15	610		20%	53%	20%	7%	1	1	1	0
6BCRA000.31	04/21/03	12:00	D1023	P11	23	58		22%	74%	0%	4%	1	1	0	0
6BCRA000.31	05/21/03	11:30	D1154	P11	24	4100		45%	0%	17%	38%	1	0	1	1
6BCRA000.31	06/09/03	10:30	D1273	P11	24	230		38%	38%	8%	16%	1	1	0	1
6BCRA000.31	07/14/03	16:00	D1522	P11	24	130		57%	17%	13%	13%	1	1	0	0
6BCRA000.31	08/20/03	10:15	D1851	P11	24	690		0%	38%	24%	38%	0	1	1	1
6BLTF000.68	11/21/02	9:50	D261	P11	24	1200		0%	4%	92%	4%	0	0	1	0
6BLTF000.68	12/16/02	12:05	D335	P11	24	350		4%	0%	83%	13%	0	0	1	0
6BLTF000.68	01/27/03	10:20	D541	P11	24	480		75%	0%	25%	0%	1	0	1	0
6BLTF000.68	02/18/03	12:30	D607	P11	24	220		21%	33%	21%	25%	1	1	1	1
6BLTF000.68	03/04/03	11:05	D736	P11	24	64		55%	33%	8%	4%	1	1	0	0
6BLTF000.68	04/21/03	12:10	D1024	P11	24	240		33%	4%	30%	33%	1	0	1	1
6BLTF000.68	05/21/03	11:45	D1155	P11	24	1700		0%	17%	62%	21%	0	1	1	1
6BLTF000.68	06/09/03	10:45	D1274	P11	24	290		67%	8%	8%	17%	1	0	0	1
6BLTF000.68	07/14/03	15:10	D1523	P11	24	440		75%	4%	8%	13%	1	0	0	0
6BLTF000.68	08/20/03	10:35	D1852	P11	24	2000		0%	42%	4%	54%	0	1	0	1
6BSEP000.55	09/05/02	10:45	D14	P11	24	40		58%	4%	21%	17%	1	0	1	1
6BSEP000.55	10/23/02	13:15	D100	P11	24	50		17%	45%	21%	17%	1	1	1	1
6BSEP000.55	11/21/02	10:50	D260	P11	10	100		0%	10%	30%	60%	0	0	1	1
6BSEP000.55	12/16/02	12:45	D337	P11	24	120		13%	0%	54%	33%	1	0	1	1
6BSEP000.55	01/27/03	11:10	D543	P11	0	1	BDL	--	--	--	--	--	--	--	--
6BSEP000.55	02/18/03	13:20	D609	P11	8	20		0%	0%	50%	50%	--	--	--	--
6BSEP000.55	03/04/03	11:40	D738	P11	24	140		4%	33%	42%	21%	0	1	1	1
6BSEP000.55	04/21/03	12:50	D1026	P11	8	24		62%	0%	38%	0%	--	--	--	--
6BSEP000.55	05/21/03	12:30	D1157	P11	24	820		55%	29%	8%	8%	1	1	0	0
6BSEP000.55	06/09/03	11:45	D1276	P11	24	200		17%	17%	25%	41%	1	1	1	1
6BSEP000.55	07/14/03	15:20	D1525	P11	24	62		88%	4%	8%	0%	1	0	0	0
6BSEP000.55	08/20/03	12:00	D1854	P11	24	54		13%	21%	45%	21%	1	1	1	1
6BTMS000.60	09/05/02	10:00	D12	P11	24	410		54%	21%	0%	25%	1	1	0	1
6BTMS000.60	10/23/02	12:20	D98	P11	24	220		33%	4%	30%	33%	1	0	1	1

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								Wildlife	Human	Livestock	Pet	Wildlife	Human	Livestock	Pet
6BTMS000.60	11/21/02	10:00	D259	P11	24	660		0%	34%	33%	33%	0	1	1	1
6BTMS000.60	12/16/02	12:20	D336	P11	24	100		0%	13%	74%	13%	0	1	1	0
6BTMS000.60	01/27/03	10:30	D542	P11	16	20		25%	56%	13%	6%	1	1	0	0
6BTMS000.60	02/18/03	12:45	D608	P11	24	65		87%	0%	0%	13%	1	0	0	0
6BTMS000.60	03/04/03	12:15	D737	P11	24	110		38%	25%	4%	33%	1	1	0	1
6BTMS000.60	04/21/03	12:20	D1025	P11	24	150		0%	0%	100%	0%	0	0	1	0
6BTMS000.60	05/21/03	12:00	D1156	P11	24	1500		8%	0%	75%	17%	0	0	1	1
6BTMS000.60	06/09/03	11:00	D1275	P11	24	310		21%	25%	41%	13%	1	1	1	0
6BTMS000.60	07/14/03	15:05	D1524	P11	24	200		74%	13%	13%	0%	1	1	0	0
6BTMS000.60	08/20/03	10:45	D1853	P11	24	290		17%	13%	57%	13%	1	1	1	0